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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER XY-Hypodermic-USNP
INTERNATIONAL APPLICATION NO. PCT/US2003/025812		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/524793</b>
INTERNATIONAL FILING DATE 15 August 2003 (15/08/2003)		PRIORITY DATE CLAIMED 15 August 2002 (15/08/2002)
TITLE OF INVENTION High Resolution Flow Cytometer		
APPLICANT(S) FOR DO/EO/US Kenneth M. Evans		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: <b>firm letter of transmittal; Certificate of Express Mailing for each document; return postcard</b></p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
PCT/US2003/025812		10/524793 15 August 2003 (15/08/2003)		XY-Hypodermic-USNP	
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee.....				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....				\$ 200.00	
All other situations.....				\$ 100.00	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....				\$ 100.00	
International Search Report prepared and provided to the Office.....				\$ 400.00	
All other situations.....				\$ 500.00	
TOTAL OF 21, 22 and 23 =				\$ 600.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$ 0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$ 130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	24 - 20 =	4	x \$ 50	\$ 200.00	
Independent claims	5 - 3 =	2	x \$200	\$ 400.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 1,330.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$ 1,330.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 1,330.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 1,330.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>					
SEND ALL CORRESPONDENCE TO:					
<p>Nicole A. Ressue 125 South Howes, Third Floor Fort Collins, CO 80521 (970) 224-3100 (970) 224-3175 - Facsimile</p>					
<p><i>Nicole A. Ressue, Feb. 15, 2005</i> SIGNATURE Nicole A. Ressue NAME USPTO Reg. No.: 48,665 REGISTRATION NUMBER</p>					

Express Mail No: EV 562714155 US

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE

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Applicants: Kenneth M. Evans  
Application Number:  
Filed:  
Title: High Resolution Flow Cytometer  
TC/A.U:  
Examiner:

International Application No: PCT/US2003/025812, Filed 15 August 2003  
Original US Application: 60/404,279, Filed 15 August 2002

Assignee: XY, Inc.  
Attorney Docket: XY-Hypodermic-USNP  
Customer No. 33549

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**LETTER OF TRANSMITTAL**

Mail Stop PCT  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450.

Sir:

Enclosed for filing is a United States National Stage application under 35 U.S.C. §371 entitled "High Resolution Flow Cytometer", including the following documents:

1. a Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. 371 (FORM PTO-1390 (REV 12-2004));
2. an Application Data Sheet;
3. a Preliminary Amendment;
4. a Power of Attorney from XY, Inc.;
5. an Information Disclosure Statement -- copies non-US references cited (Foreign Patent/Publications and Other Documents) will be sent under separate cover;

6. this Letter of Transmittal along with a Credit Card Payment Form authorized in the amount of \$1,330.00 for National Phase filing fee; and
7. Express Mail Certificates for each document and a Postcard Receipt for return to the undersigned.

Please confirm receipt of the documents by applying your date stamp and serial number on the enclosed postcard and returning it to me.

**Please address all future correspondence to: Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, CO 80521.**

I have this 15 day of February, 2005, either myself personally or through my direction of staff at this office, deposited all of the items in the above letter of transmittal with the United States Postal Service as Express Mail, postage prepaid, in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Dated this 15 day of February, 2005.

Respectfully Submitted,  
SANTANGELO LAW OFFICES, P.C.

By: Nicole A. Ressue  
Nicole A. Ressue  
Attorney for Assignee  
PTO No, 48,665  
125 South Howes, Third Floor  
Fort Collins, CO 80521  
(970) 224-3100

Express Mail No: EV 562714155 US

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE

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Applicants: Kenneth M. Evans  
Application Number:  
Filed:  
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TC/A.U:  
Examiner:

International Application No: PCT/US2003/025812, Filed 15 August 2003  
Original US Application: 60/404,279, Filed 15 August 2002

Assignee: XY, Inc.  
Attorney Docket: XY-Hypodermic-USNP  
Customer No. 33549


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**CERTIFICATE OF EXPRESS MAILING**

I, Cheryl A. Swanson, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.
2. I have this day deposited the attached Letter of Transmittal along with a Credit Card Payment Form authorized in the amount of \$1,330.00 for National Phase filing fee and a return postcard with the United States Postal Service as "Express Mail" for mailing to: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Dated this 15 day of February, 2005.

  
Cheryl A. Swanson

10/524793

DT Rec'd PCT/PTO 15 FEB 2005

Express Mail No: EV 562714155 US

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE

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Applicants: Kenneth M. Evans  
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Assignee: XY, Inc.  
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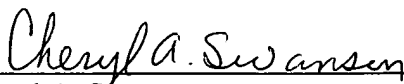
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2. I have this day deposited the attached Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. 371 (FORM PTO-1390 (REV 12-2004)) with the United States Postal Service as "Express Mail" for mailing to: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Dated this 15 day of February, 2005.

  
Cheryl A. Swanson

10/524793

DI Rec'd PCT/PTO 15 FEB 2005

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IN THE UNITED STATES PATENT AND  
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2. I have this day deposited the attached Power of Attorney from XY, Inc. with the United States Postal Service as "Express Mail" for mailing to: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Dated this 15 day of February, 2005.

Cheryl A. Swanson  
Cheryl A. Swanson

10/524793

0112 Rec'd PCT/PTO 15 FEB 2005

Express Mail No: EV 562714155 US

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IN THE UNITED STATES PATENT AND  
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Applicants: Kenneth M. Evans  
Application Number:  
Filed:  
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2. I have this day deposited the attached Information Disclosure Statement with the United States Postal Service as "Express Mail" for mailing to: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Dated this 15<sup>th</sup> day of February, 2005.

Cheryl A. Swanson  
Cheryl A. Swanson



10/524793

DT12 Rec'd PCT/PTO 15 FEB 2005

Express Mail No: EV 562714155 US

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE

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Applicants: Kenneth M. Evans  
Application Number:  
Filed:  
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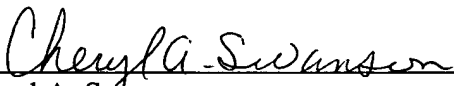
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1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.

2. I have this day deposited the attached Application Data Sheet with the United States Postal Service as "Express Mail" for mailing to: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Dated this 15 day of February, 2005.

  
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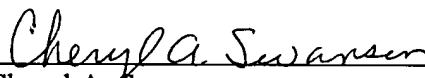
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Dated this 15 day of February, 2005.

  
Cheryl A. Swanson